



Daily Drilling Report

Well ID: 42-383-39869

Field: Impossible

SEM Operating Company, LLC

Well Name: University 9 2902WB

Sect: 29 County: Reagan State: TX

Report No: 26

Report For 06:00 AM 30-Jul-17

Operator:	SEM OPERATING	Rig:	H&P 467	Spud Date:		Daily Cost / Mud (\$):	51,404 / 15,522
Measured Depth (ft):	16531	Drilling Days (act.):	26	Well Bore:	Original Well Bore	AFE No.	AFE (\$) Actual (\$)
Vertical Depth (ft):	8160	Drilling Days (plan):		RKB Elevation (ft):	0.00	041717	6,063,125 1,909,917
Proposed TD (ft):		Days On Location:	26	Last BOP Test:	20-Jul-17		
Hole Made (ft) / Hrs:	656 / 9.5	Last Casing:	9.63 at 7,522			Totals:	6,063,125 1,909,917
Average ROP (ft/hr):	69.05	Next Casing:		Working Interest:		Well Cost (\$):	1,909,917
Pers/Hrs:	Operator: 2 / 24	Contractor:	11 / 132	Service:	9 / 108	Other:	0 / 0
						Total:	22 / 264

SafetySummary: No incidents or events reported. 23 days since LTI. Conducted Crown Check, Safety Meeting.

Current Operations: LAYING DOWN DP. @ 9200'

Planned Operations: LAY DOWN DP AND BHA, RIG UP CASING TOOLS AND RUN CASING.

Toolpusher: LUKE BOYD, CURTIS WELCH

Wellsite Supervisors: GUY EMBRY, RICKY POINDEXTER

Tel No.:

Operations Summary

From	To	Elapsed	End MD(ft)	Code	Operations Description	Non-Prod
6:00	8:30	2.50	15,875	CIRC	PUMP SWEEP AND CIRC OUT	
8:30	12:30	4.00	15,930	DRILS	SLIDE FROM 15875' TO 15930' TF=90 R, GPM=565, PSI=4160, DIFF=200, WOB=40K	
12:30	16:00	3.50	16,421	DRILR	ROTATE FROM 15930' TO 16421' GPM=565, PSI=4600, DIFF=670, WOB=28, RPM=60, TQ=20K	
16:00	17:30	1.50	16,441	DRILS	SLIDE FROM 16421' TO 16441' TF=160 L, GPM=565, PSI=4160, DIFF=200, WOB=40K	
17:30	18:00	0.50	16,531	DRILR	ROTATE FROM 16441' TO 16531' GPM=565, PSI=4500, DIFF=600, WOB=28, RPM=60, TQ=19 TD AT 18:00 HRS 7/29/17 AT 16531'	
18:00	0:00	6.00	16,531	CIRC	CLEAN UP CYCLE PUMP 5 X 40 BBLS HI VIS SWEEPS AND CIRCULATE OUT	
0:00	1:00	1.00	16,531	TRPO	PULL TEN STANDS.	
1:00	6:00	5.00	16,531	DPLD	LAY DOWN DP FROM 15,600' TO 9200'	

Management Summary

FINAL SURVEY PTB@ 16531' , 91.12,INC, 182.82, AZ, 8160.08, TVD, 8597.20, VS, 9.5' HI, 32' RIGHT

Casing/Tubular Information

Type	Size (ins)	Top MD (ft)	Top TVD (ft)	Bottom MD (ft)	Bottom TVD (ft)	Hole Section	OH Diam. (ins)	Nom. Wgt. (lbs)	Nominal Grade	LOT (lbs/gal)
FULL	13.38	0		745		SURF				
FULL	9.63	0	0	7,522	7,460	INT1	12.25	40.00	J-55	

Cost/AFE Information

AFE No	AFE Description	AFE Amount	Daily Mud	Well Mud	Daily Total	Well Total	% Spent
041717	D & C a 7500' Lateral horizontal	6,063,125.00	15,521.65	231,769.04	51,403.65	1,909,916.50	31.50 %
	Totals \$:	6,063,125.00	15,522.00	231,769.00	51,404.00	1,909,917.00	31.50 %

Mud Information

%																Gels			Temp		Mud
Dens.	Vis	PV	YP	Filt.	Cake	pH/ES	Solids	Oil	Water	Sand	LGS	Cl	Ca	CaCl	10s	10m	30m	In	Out	Loss	
29-Jul-17 22:00 at Depth 16,531 ft Mud Pits, Type: Oil Base Mud																					
10.30	74.00	7.00	9.00	3	2		13.1	55.6	29.4		8	50		210535	14	23	25		45.00	166.00	

Mud Consumables

Item Description	Qty.	Cost	Item Description	Qty.	Cost
ABS MUL - GALS	275	2,571.25	Barite (Bulk) - EA	437	4,793.89
CaCL2 - 50#SK	100	1,463.00	Claytone II - 50#SK	5	495.35
ENGINEER - EA	1	800.00	ENGINEERING diem - EA	1	50.00
GLASS BEADS - 50#SK	24	3,144.72	Lime - 50#SK	21	149.94
Shrink Wrap - EA	1	12.50	Trucking - EA	1	850.00
Trucking (CWT) - EA	397	1,191.00			



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Bit/BHA/Workstring Information

No	Run	Make	Model	Diam	Depth In	This Run		R.O.P.					Mud		Pump				
						Dist	Hrs	Avg	Max	WOB	RPM	Torque	Wt	Flow	Press	J. Vel	P. Drp	HHP	JIF
5	1	ULTER	616M	8.75	8474	8,074	100.5	80.3	160.0	30.00	65	17.00	10	565	4400	122	138	45	370

Jets: 18 18 18 18 18 18 Out: Grade: Cutter: / Dull: / Wear: Brgs: Gge: Pull:

BHA - No. 7 - BIT, MMTR, UBHO, 2 NMDC, XO = 99.05

Drilling Parameters

Depth (ft)		ROP (ft/hr)		WOB (lbs)		RPM		Torque (ft lbs)		Flow (gals/min)		Pressure (psi)
From	To	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	
15,875	16,531	80.0	160.0	30.00	30.00	65	90	17.00	19.00	565.00	565.00	4,400.00

Annular Velocity: Drill Collars: 446.7 Drill Pipe: 268.6

Miscellaneous Drilling Parameters

Hook Loads (lbs): Off Bottom Rotate: 179.00 Pick Up: 250.00 Slack Off: 130.00 Drag Avg/Max: 55 / 75

Slow Circulation Data:

Pump 1:	30 spm	550 psi	40 spm	640 psi	50 spm	730 psi
Pump 2:	30 spm	400 psi	40 spm	460 psi	50 spm	540 psi
Pump 3:	30 spm	560 psi	40 spm	640 psi	50 spm	740 psi

Survey Information

Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Closure	Vertical Section	Coordinates		
							N-S	E-W	D.L.S.
MWD	15,792.0	91.08	183.4	8,177.2	7,862.6	7,861.7	S 7862.5	W 37.9	2.87
MWD	15,887.0	91.82	186.4	8,174.8	7,957.3	7,956.4	S 7957.1	W 46.0	3.24
MWD	15,981.0	90.73	186.4	8,172.7	8,050.7	8,050.0	S 8050.5	W 56.5	1.16
MWD	16,076.0	91.78	187.3	8,170.7	8,145.1	8,144.5	S 8144.8	W 67.9	1.44
MWD	16,170.0	90.64	185.5	8,168.7	8,238.6	8,238.1	S 8238.2	W 78.4	2.23
MWD	16,264.0	91.69	187.9	8,166.8	8,332.0	8,331.6	S 8331.5	W 89.4	2.77
MWD	16,359.0	91.47	187.1	8,164.1	8,426.3	8,426.0	S 8425.7	W 101.8	0.86
MWD	16,453.0	91.03	180.7	8,162.1	8,520.0	8,519.8	S 8519.4	W 108.3	6.84
MWD	16,473.0	91.12	182.8	8,161.7	8,540.0	8,539.8	S 8539.3	W 108.9	10.56
MWD	16,531.0	91.12	182.8	8,160.6	8,598.0	8,597.8	S 8597.3	W 111.7	0.00

Mud Log Information

Depth (ft)		TVD (ft)		Gas (Units)		Gas		Drilling Exp.	Pore Press	Mud Dens.	Shale Dens.	ROP	
From	To	From	To	Avg	Max	at Depth	Connect. Trip					Shale	Sand
15,765	16,531	8,175	8,160	312.00	943.00	16252	737.00			10.40			

Formation Name: WOLFCAMP

Lithology: 100% SHALE @ 16531'

Rig Information

Equipment Problems:

Location Condition:

Transport:

Solids Control Information

Screen Sizes:	Top	Middle 1	Middle 2	Bottom	Equipment Usage (Hrs):
Shaker No 1:	200	200	200	200	Centrifuge 1: 24 (Solids Removal)
Shaker No 2:	200	200	200	200	
Shaker No 3:	200	200	200	200	
Shaker No 4:	200	200	200	200	

Bulk Inventory

Item Type	Units	Beginning	Used	Received	On Hand	Net
Fuel	GALS	5,023	2,650	0	2,373	-2,650
Office trailer generator	GALS	400	50	0	350	-50
Mud	GALS	1,766	1,766	0	0	-1,766



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Safety Information

Meetings/Drills	Time	Description
Safety	30	HOUSE KEEPING PLANNING AHEAD.
First Aid Treatments:	Medical Treatments:	Lost Time Incidents:
Days Since LTI:	23	
<input type="checkbox"/> BOP Test	<input checked="" type="checkbox"/> Crownamatic Check	

Weather Information

Sky Condition:	CLEAR	Visibility:	10
Air Temperature:	76.00 degF	Bar. Pressure:	29
Wind Speed/Dir:	6 / ENE	Wind Gusts:	

Rental Tools Information

Type	Description	Serial No.	Vendor	Acct Code	Today's Cost \$	Start	End
Trailer	HOUSING		TREND	9240-01	900.00	08-Jul-17	
Frac Tanks	FRAC TANKS		THORPE	9240-01	175.00	08-Jul-17	
PVT	RIG SENSE		TOTCO	9240-01	388.00	08-Jul-17	
Light Tower	LIGHT TOWER		CACTUS	9240-01	200.00	08-Jul-17	
OBM Control	CENTRIFUGES		DES	9210-01	3,050.00	08-Jul-17	
Frac Tanks	OBM STORAGE		PURITY	9210-01	489.00	08-Jul-17	
Trans. Pump	TRANS PUMP		TIGER	9240-01	185.00	08-Jul-17	
H2S	AMPRO H2S		AMPRO	9240-01	150.00	08-Jul-17	
Rig Vac	MUD VAC		KSW	9240-01	135.00	08-Jul-17	
Trans. Pump	TRANSFER PUMP		KSW	9240-01	185.00	11-Jul-17	
SPOOLS	BOP SPACER		MONAHANS	9240-01	210.00	08-Jul-17	
Rotating Hd.	ROT HEAD		AIR DRIL	9240-01	120.00	08-Jul-17	
Mud Bucket	MUD BUCKET		STABIL	9240-01	110.00	08-Jul-17	
OBM Control	KATCH KAN		KATCH	9240-01	175.00	16-Jul-17	

Total Daily Rental Cost \$: 6,472.00